

Pactimibe sulfate

Chemical Properties

CAS No. :	608510-47-0
Formula:	C50H82N4O10S
Molecular Weight:	931.27
Storage:	Keep away from moisture, Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Pactimibe sulfate (CS-505) is a dual ACAT1/2 inhibitor, acting on ACAT1 (IC50: 4.9 μ M) and ACAT2 (IC50: 3.0 μ M). It inhibits oleoyl-CoA non-competitively (Ki: 5.6 μ M) and significantly inhibits cholesterol ester formation (IC50: 6.7 μ M). Pactimibe sulfate reduces plasma cholesterol activity and has anti-atherogenic potential.
Targets(IC50)	Transferase

Solubility Information

Solubility	DMSO: 96 mg/mL (103.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0738 mL	5.369 mL	10.738 mL
5 mM	0.2148 mL	1.0738 mL	2.1476 mL
10 mM	0.1074 mL	0.5369 mL	1.0738 mL
50 mM	0.0215 mL	0.1074 mL	0.2148 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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